

MICROKOM LAUNCH AMPLIFIER

FOR CATV APPLICATIONS




REF.	ART. NR.	DESCRIPTION	EAN 13
534211	KVE1G202520	AMP. MICROKOM T4 RET.P./MATV G(- 20)/(20 25)dB	8424450179093
534411	KVE1G303528	AMP. MICROKOM T4 RET.P./MATV G(- 20)/(28 35)dB	8424450179086



Launch amplifiers with active or passive return path designed for multimedia services distribution in small/medium size buildings.

- Adjustments via plug-in jumpers with a very intuitive block diagram as support.
- Fully configurable return path equipped with attenuator and equalizer.
- Direct channel with independent attenuator and equalizer adjustment between stages.
- High output level (121dBμV DIN45004B)
- Zamak chassis.



REF.	ART. NR.	 mm	 g	 Units / Packing
534211	KVE1G202520	185 x 80 x 35	400	1 / box
534411	KVE1G303528	185 x 80 x 35	400	

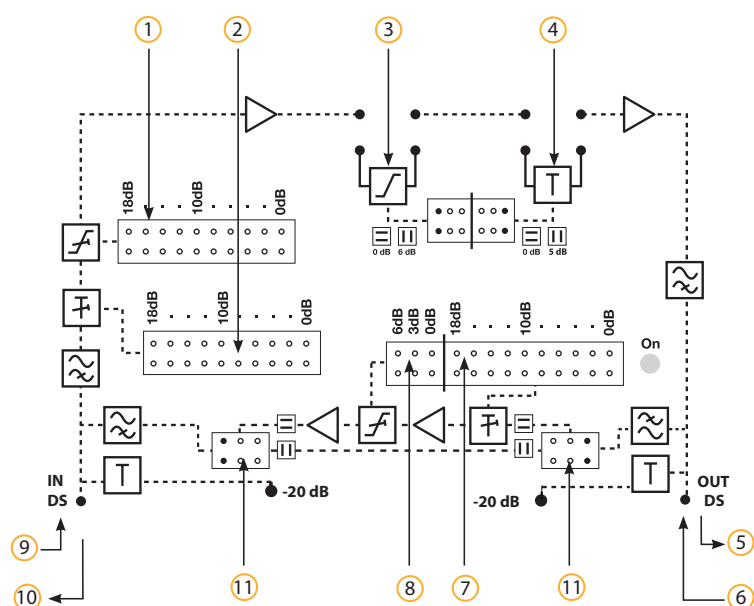


Reference Art. Nr.		534211 KVE1G202520		534411 KVE1G303528	
Forward path					
Frequency range	MHz	85...1006			
Gain	dB	25		35	
Input attenuator	dB	0...18 (2dB steps)			
Interstage attenuator	dB	0/5			
Input equalizer	dB	0...18 (2dB steps)			
Interstage equalizer	dB	0/6			
Noise figure	dB	6		7	
Output level	dBµV	121 (DIN45004B)			
Return path					
Frequency	MHz	5...65			
Gain	dB	20/-1		28/-1	
Input attenuator	dB	0...18 (2dB steps)			
Interstage equalizer	dB	0/3/6			
Ouput level	dBµV	118 (DIN45004B)			
General					
Main voltage	Vac/Hz	99 - 253 / 50 - 60			
Power consumption	W	5			
Electrostatic discharges protection	kV	8 (EN61000-4-2)			
Protection class	class	II Isolation			
Protection index	IP	20			



Block Diagram:

- Configuration via plug-in jumpers and fixed values.
- Input and output test connectors.



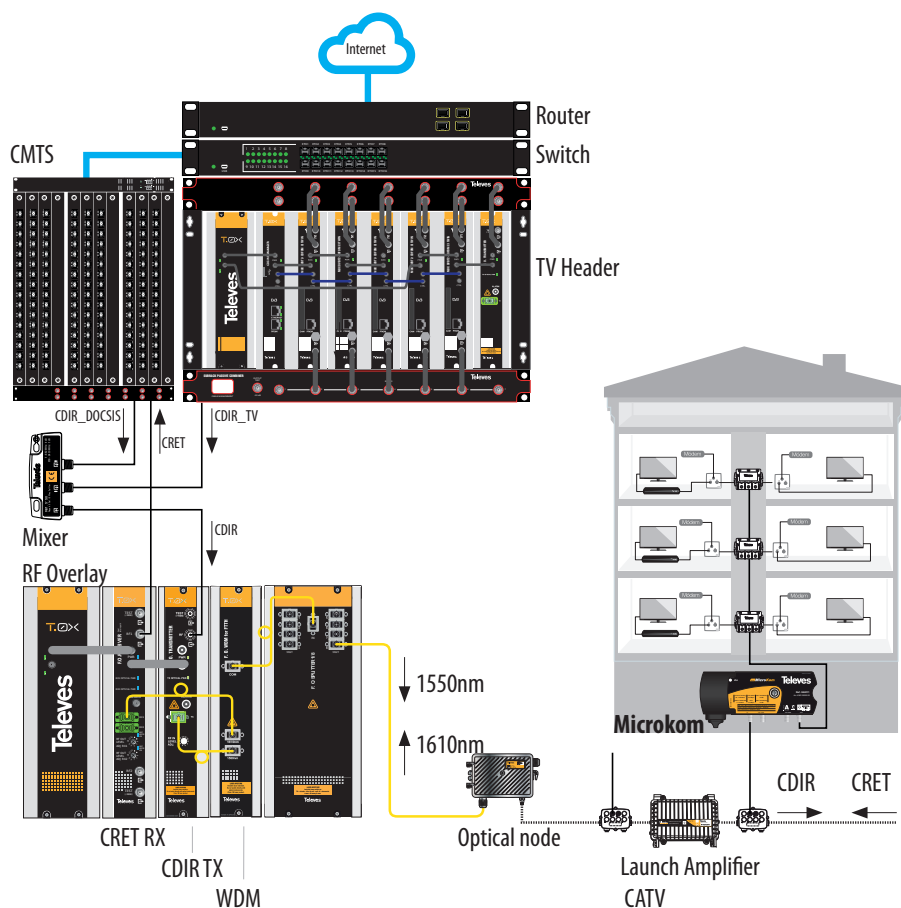
- 1.-Forward path input equalizer 0-18 dB, 2 dB steps.
- 2.-Forward path input attenuator 0-18 dB, 2 dB steps.
- 3.-Forward path interstage equalizer 0 or 6 dB.
- 4.-Forward path interstage attenuator 0 or 5 dB.
- 5.-Forward path output.
- 6.-Return path input.
- 7.-Return path input attenuator 0-18 dB, 2 dB steps.
- 8.-Return path input equalizer 0/3/6 dB
- 9.-Forward path input.
- 10.-Return path output.
- 11.-Active/passive return path configuration.



HFC Docsis application

- CDIR: 87...1006MHz / 1550nm
- CRET: 5...65MHz / 1610nm

Microkom launch amplifier distributes TV signal to many users, although allows return path signal to reach the optical node. This node works as a converter between the main optical network and the coaxial network.



Application as distribution amplifier

Microkom launch amplifier works as a simple header to amplify and distribute TV services.

